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Light-Duty Automotive Technology and Fuel Economy Trends: 1975 Through 2005

Appendix M: Data Stratified by Vehicle Type and Marketing Group

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NOTICE

*This Technical Report does not necessarily represent final EPA decisions or positions.
It is intended to present technical analysis of issues using data that are currently available.*

The purpose in the release of such reports is to facilitate an exchange of technical information and to inform the public of technical developments.

Appendix M

Table M-1 Model Year 1975 to 2005 Cars Adjusted 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	12.9	12.4	12.8	18.1	26.7	21.5		22.5	18.4	13.4
1976	14.2	14.5	13.8	21.4	28.0	22.8		23.4	18.4	14.9
1977	15.2	14.4	13.9	24.6	30.8	23.1		24.6	19.5	15.6
1978	16.4	16.1	16.4	23.0	28.8	23.0		23.2	19.1	17.0
1979	16.5	16.6	18.1	20.4	24.6	22.7		24.4	20.1	17.3
1980	18.8	19.1	20.0	23.3	24.6	26.4		26.3	23.1	20.0
1981	20.0	20.0	23.0	26.4	26.0	25.8		29.1	22.7	21.4
1982	21.0	21.1	23.4	26.0	28.2	26.0		28.1	23.3	22.3
1983	20.2	21.1	23.6	26.9	29.9	27.7		25.6	22.7	22.0
1984	21.0	22.2	23.4	27.9	29.9	26.9		24.3	22.4	22.4
1985	22.0	22.5	23.4	27.3	28.7	25.1		25.6	21.4	23.0
1986	23.3	23.0	23.7	27.5	28.6	25.8	29.6	25.2	21.9	23.9
1987	23.5	22.9	23.2	28.1	27.9	25.1	29.3	24.7	21.9	24.0
1988	24.2	23.1	23.8	27.9	27.1	26.2	29.1	25.7	21.4	24.5
1989	23.6	23.2	23.5	27.2	26.6	25.7	28.2	25.8	20.4	24.1
1990	23.4	22.8	23.3	25.9	25.8	24.2	28.2	24.6	20.0	23.8
1991	23.3	23.4	23.3	26.1	25.9	24.7	27.9	25.4	20.1	23.9
1992	22.9	23.1	23.2	24.6	26.5	25.5	26.6	24.9	20.7	23.6
1993	23.5	23.6	23.6	24.7	27.5	24.9	26.5	23.1	21.2	24.0
1994	23.6	23.2	22.7	24.8	27.4	25.5	27.9	24.1	21.1	23.9
1995	23.4	23.6	24.0	25.6	28.0	25.0	26.3	24.6	21.2	24.2
1996	24.1	22.8	23.5	25.2	27.2	25.8	27.1	24.2	22.3	24.2
1997	24.1	23.1	23.5	25.4	27.5	25.3	26.5	24.6	21.5	24.3
1998	23.6	23.5	24.3	25.8	27.3	25.8	26.2	24.6	21.4	24.4
1999	23.5	23.5	23.4	25.9	26.4	25.3	26.2	24.3	21.2	24.1
2000	23.7	23.2	23.5	26.1	26.5	23.9	25.7	24.6	20.9	24.1
2001	24.1	23.0	23.4	26.7	27.5	24.2	26.3	24.3	20.9	24.4
2002	24.4	23.3	23.2	26.2	27.3	24.7	25.9	24.9	21.8	24.6
2003	24.3	23.0	23.3	27.5	27.9	23.8	25.7	25.2	22.3	24.7
2004	24.9	22.3	23.7	26.3	28.3	24.4	25.3	24.7	22.3	24.8
2005	24.7	23.0	23.2	28.1	28.3	24.9	25.4	24.3	22.3	24.8

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Table M-2 Model Year 1975 to 2005 Wagons Adjusted 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	12.8	12.3	13.2	19.4		17.8		23.3	18.7	13.8
1976	13.5	14.2	14.5	21.0	25.1	23.4		23.8	19.2	14.7
1977	14.9	14.2	14.1	23.7	27.1	23.0		24.5	20.6	15.3
1978	15.8	15.8	15.1	21.7	26.7	21.7		22.0	17.9	16.4
1979	15.7	16.9	15.5	21.2	25.3	23.7		21.3	21.4	16.7
1980	18.3	19.4	16.3	23.3	27.6	27.3		34.1	25.3	20.1
1981	19.8	21.4	22.0	24.7	28.6	26.7		34.5	23.4	21.8
1982	19.8	21.5	23.8	24.9	31.2	27.2		25.4	24.0	21.6
1983	20.4	22.0	23.5	29.5	31.2	29.5		26.1	24.3	23.2
1984	21.2	22.3	23.9	28.8	30.7	29.9		21.2	21.5	22.6
1985	21.7	22.8	23.0	29.9	29.5	25.6		22.1	21.1	23.4
1986	22.3	23.0	23.8	27.3	29.4	24.1		19.5	21.5	23.1
1987	22.5	22.7	23.5	27.7	29.1	23.7		22.7	20.7	23.2
1988	23.3	22.7	24.4	26.8	29.0	23.8		26.4	19.8	23.5
1989	22.7	22.0	24.5	26.1	29.5	27.5		25.0	19.7	22.9
1990	22.8	21.6	21.4	25.5	29.9	28.5		24.2	22.1	22.8
1991	22.5	24.5	18.1	26.2	24.5			23.0	19.7	23.9
1992	22.7	24.2	18.1	24.6	23.1			22.8	19.9	23.5
1993	23.5	26.5	22.2	25.3	23.5			20.3	20.8	25.3
1994	23.4	26.3	21.7	25.2	24.7			20.2	20.1	25.1
1995	23.9	26.3	21.9	26.3	24.8			20.3	20.9	25.3
1996	23.5	23.5		26.1	24.3		25.8	23.6		23.7
1997	24.7	25.0			23.1		26.0	21.0		24.7
1998	24.9	23.6	23.2				25.2	22.1		24.2
1999	24.4	23.3	22.8				24.7	22.7	20.2	23.7
2000	24.2	23.6	22.8				24.7	21.4	21.0	23.6
2001	24.0	23.0	23.0					20.7	21.3	23.0
2002	23.6	23.7	21.7					23.7	21.8	22.8
2003	25.9	23.8	21.9	30.0				24.3	21.9	24.9
2004	25.3	23.3	21.3	29.6				24.9	22.1	24.4
2005	25.4	23.5	21.6	30.9				24.4	22.1	23.7

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Table M-3 Model Year 1975 to 2005 Cars and Wagons Adjusted 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	12.9	12.4	12.8	18.8	26.7	21.4		22.6	18.5	13.5
1976	14.2	14.5	14.0	21.3	27.8	22.9		23.4	18.5	14.9
1977	15.2	14.4	13.9	24.5	30.2	23.1		24.6	19.6	15.6
1978	16.3	16.1	16.2	22.8	28.6	22.8		23.2	18.9	16.9
1979	16.4	16.6	17.8	20.5	24.7	22.8		24.4	20.1	17.2
1980	18.8	19.2	19.8	23.3	24.8	26.6		26.6	23.1	20.0
1981	20.0	20.2	22.9	26.3	26.2	25.9		29.2	22.7	21.4
1982	20.9	21.2	23.4	25.9	28.4	26.1		28.0	23.3	22.2
1983	20.3	21.2	23.6	27.7	30.0	27.9		25.6	22.8	22.1
1984	21.0	22.2	23.5	28.0	29.9	27.2		24.2	22.3	22.4
1985	21.9	22.6	23.4	28.0	28.8	25.1		25.4	21.4	23.0
1986	23.2	23.0	23.7	27.5	28.6	25.5	29.6	25.1	21.9	23.8
1987	23.4	22.8	23.2	28.0	28.0	25.0	29.3	24.6	21.9	24.0
1988	24.2	23.1	23.9	27.8	27.1	26.0	29.1	25.8	21.4	24.4
1989	23.6	23.1	23.6	27.1	26.7	25.7	28.2	25.8	20.4	24.0
1990	23.4	22.7	23.3	25.9	25.9	24.2	28.2	24.6	20.0	23.7
1991	23.3	23.5	23.3	26.1	25.8	24.7	27.9	25.3	20.1	23.9
1992	22.9	23.1	23.2	24.6	26.4	25.5	26.6	24.8	20.7	23.6
1993	23.5	24.0	23.6	24.7	27.4	24.9	26.5	22.9	21.2	24.1
1994	23.6	23.5	22.7	24.8	27.4	25.5	27.9	24.0	21.1	24.0
1995	23.4	23.9	24.0	25.6	27.9	25.0	26.3	24.4	21.2	24.2
1996	24.1	22.8	23.5	25.2	27.1	25.8	27.1	24.1	22.3	24.2
1997	24.1	23.3	23.5	25.4	27.4	25.3	26.4	24.5	21.5	24.3
1998	23.7	23.5	24.3	25.8	27.3	25.8	26.2	24.5	21.4	24.4
1999	23.5	23.5	23.4	25.9	26.4	25.3	26.1	24.2	21.1	24.1
2000	23.7	23.2	23.5	26.1	26.5	23.9	25.6	24.3	20.9	24.1
2001	24.1	23.0	23.3	26.7	27.5	24.2	26.3	24.0	21.0	24.3
2002	24.4	23.3	23.0	26.2	27.3	24.7	25.9	24.8	21.8	24.5
2003	24.4	23.0	23.1	27.7	27.9	23.8	25.7	25.1	22.3	24.7
2004	24.9	22.4	23.1	26.6	28.3	24.4	25.3	24.7	22.3	24.7
2005	24.8	23.0	22.7	28.3	28.3	24.9	25.4	24.3	22.3	24.7

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Table M-4 Model Year 1975 to 2005 Vans Adjusted 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	12.2	10.7	10.7	17.5				17.6		11.1
1976	11.9	11.4	12.1					17.0		11.8
1977	12.7	13.2	11.7					18.9		12.5
1978	11.9	12.8	11.4					17.0		12.1
1979	12.4	10.3	11.7					16.0		11.5
1980	14.2	13.8	14.1					16.2		14.1
1981	15.3	14.3	14.8					15.8		14.8
1982	15.2	13.8	15.0					18.4		14.7
1983	16.0	13.8	15.3					16.4	17.1	15.1
1984	15.5	14.1	17.2	22.9				17.6	23.2	16.1
1985	15.9	13.8	17.9	22.6				18.1	18.5	16.5
1986	16.5	16.8	18.7	22.3				16.3	17.6	17.5
1987	16.9	16.7	19.0	21.6		19.0		16.1		17.8
1988	17.2	16.6	19.6	21.9		19.0		16.9		18.0
1989	17.3	17.1	19.3	21.9		18.9		17.7		18.0
1990	17.6	16.6	19.6			21.7		17.6		18.1
1991	17.8	17.0	19.4	19.5		22.2		17.7		18.3
1992	17.8	17.0	19.5	19.0		21.8				18.3
1993	17.7	17.8	20.2	18.6		18.6		17.9		18.7
1994	17.9	17.1	19.1	18.8		19.4		17.1		18.3
1995	17.6	18.5	19.6	19.2	21.7	19.6		16.6		18.6
1996	18.3	18.3	19.4	19.1	24.3	19.6				19.0
1997	18.7	17.7	19.4	19.0	21.2	19.3		15.8		18.8
1998	18.9	19.0	19.9	20.7	23.0	19.4				19.4
1999	18.8	17.9	19.6	20.6	20.6	19.7		16.3		19.0
2000	18.9	18.6	20.0	20.6	20.5	19.5		16.2		19.5
2001	19.6	15.8	20.0	21.1	20.5	19.3		17.6		18.9
2002	19.1	18.8	20.4	21.1	20.7	19.3	17.1	17.8		19.7
2003	19.8	19.1	20.9	21.1	20.7		17.1	17.8		20.1
2004	18.9	18.4	21.0	21.9	20.7	21.0	18.1			19.8
2005	18.7	20.0	21.1	21.4	22.0	21.2	18.2			20.4

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Table M-5 Model Year 1975 to 2005 SUVs Adjusted 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	10.0	12.3	11.1	10.2						11.0
1976	11.1	12.8	11.6	9.3						11.7
1977	12.5	13.4	12.0	11.6						12.8
1978	11.9	12.7	11.5	10.9						12.3
1979	9.5	11.6	10.6	11.7					11.2	10.6
1980	12.7	13.5	11.7	11.7					14.5	13.2
1981	13.9	14.6	12.8	12.2						14.3
1982	16.6	14.5	12.9	12.1						15.0
1983	17.8	14.8	13.2	12.0						16.2
1984	17.6	16.2	11.5	14.7						16.4
1985	17.8	16.4	12.8	18.0						16.9
1986	17.5	17.0	13.2	19.8					21.8	17.2
1987	18.1	17.6	15.1	19.3		15.9				17.6
1988	18.3	17.1	16.5	17.2		15.8				17.4
1989	17.8	16.3	16.4	16.8		16.1				17.0
1990	17.3	15.9	17.0	16.6		16.6			23.1	16.9
1991	18.1	17.1	16.6	15.7		16.6			18.0	17.3
1992	17.3	17.1	16.9	14.5		16.7			16.3	16.9
1993	17.4	17.2	16.7	14.8		16.6			16.3	17.0
1994	17.4	17.1	16.4	14.8	17.2	15.8				16.8
1995	17.1	16.5	16.5	15.8		16.2	20.7			16.7
1996	17.4	16.7	16.5	19.3	16.6	16.9	19.9			17.1
1997	17.0	16.0	17.1	19.5	21.0	16.7	20.2			17.1
1998	18.1	16.0	16.5	19.5	21.6	16.6	20.8			17.1
1999	17.7	16.0	16.5	19.3	21.8	16.7	20.8			17.2
2000	17.3	16.1	16.6	19.0	22.1	16.7	20.0		14.9	17.1
2001	17.2	18.1	16.7	19.2	21.5	16.9	20.3		16.4	17.8
2002	17.3	17.1	16.7	19.2	22.4	16.9	20.5		17.2	17.6
2003	17.1	16.7	17.9	19.1	21.3	18.6	19.3		17.1	17.8
2004	17.1	17.2	17.7	19.6	21.1	17.5	18.9	16.5	17.5	17.8
2005	17.9	17.0	17.5	19.6	20.8	18.1	20.0	16.7	17.8	18.1

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Table M-6 Model Year 1975 to 2005 Pickups Adjusted 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	12.2	10.7	11.0	18.2		20.1				11.9
1976	12.4	11.8	11.9	18.9		20.9				12.4
1977	12.9	13.6	12.3	23.1		21.3				13.6
1978	12.6	13.5	12.3	20.9		21.7				13.3
1979	13.1	12.7	12.8	16.6		19.7				13.2
1980	15.9	15.4	17.3	18.3		21.3		26.7	15.9	16.5
1981	17.2	16.6	17.2	22.5		23.6		31.4		17.9
1982	18.7	16.0	18.3	21.8		23.6		33.3		18.5
1983	18.2	17.9	20.5	21.7		23.3		27.9		18.9
1984	17.7	17.8	16.8	21.4		22.3			21.1	18.3
1985	17.5	17.3	16.4	23.0		21.8				18.2
1986	17.8	18.5	17.5	22.5		21.0				18.9
1987	18.2	18.8	18.4	22.6		21.4			19.3	19.2
1988	17.4	18.4	18.4	21.4		21.0			17.8	18.3
1989	17.5	17.9	17.5	20.0		21.1			14.8	18.0
1990	16.4	18.1	16.8	19.7		23.1			18.5	17.7
1991	18.2	18.3	16.7	20.2		22.9			15.2	18.5
1992	17.3	17.8	16.7	20.1		22.8				17.9
1993	17.2	18.2	16.4	20.2		22.5				18.0
1994	17.1	18.5	16.2	20.7		21.8				17.9
1995	17.2	17.5	15.3	19.8		21.2				17.4
1996	18.2	18.3	14.8	20.1		21.4				17.7
1997	17.5	18.1	15.1	17.4		21.2				17.5
1998	18.0	17.9	15.4	20.2		21.7				17.7
1999	16.9	17.5	15.2	19.7		19.8				17.0
2000	17.8	17.6	15.7	17.7		18.6				17.5
2001	17.4	16.9	14.8	18.0		18.9				16.7
2002	16.3	17.1	15.3	17.8		18.7				16.6
2003	17.2	17.1	15.5	17.9		19.1				17.0
2004	16.9	17.3	16.0	17.8		19.2				17.1
2005	17.6	16.8	16.0	18.4		16.0				17.1

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Table M-7 Model Year 1975 to 2005 Trucks Adjusted 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	12.0	10.9	10.8	16.1		20.1		17.6		11.6
1976	12.2	11.8	12.0	16.0		20.9		17.0		12.2
1977	12.8	13.5	12.0	19.5		21.3		18.9		13.3
1978	12.4	13.3	11.8	18.1		21.7		17.0		12.9
1979	12.5	12.1	12.2	16.4		19.7		16.0	11.2	12.5
1980	15.3	14.8	16.0	18.2		21.3		21.5	14.7	15.8
1981	16.7	16.0	16.1	22.3		23.6		25.1		17.1
1982	17.9	15.3	16.7	21.4		23.6		23.6		17.4
1983	17.7	16.7	18.5	21.2		23.3		17.3	17.1	17.8
1984	17.2	16.9	16.5	21.2		22.3		17.6	21.8	17.4
1985	17.2	16.4	16.9	22.5		21.8		18.1	18.5	17.5
1986	17.4	17.8	17.9	22.2		21.0		16.3	17.6	18.3
1987	17.8	18.1	18.4	22.0		20.0		16.1	19.3	18.4
1988	17.6	17.8	18.4	20.7		19.4		16.9	17.8	18.1
1989	17.5	17.4	18.0	19.7		20.2		17.7	14.8	17.8
1990	16.9	17.4	18.3	18.6		21.6		17.6	20.5	17.7
1991	18.1	17.6	18.1	19.0		21.1		17.7	17.8	18.1
1992	17.4	17.4	18.3	18.6		20.4			16.3	17.8
1993	17.4	17.8	18.2	18.8		20.2		17.9	16.3	17.9
1994	17.4	17.9	17.5	18.7	17.2	19.5		17.1		17.7
1995	17.3	17.6	17.1	18.0	21.7	19.1	20.7	16.6		17.5
1996	17.8	17.7	17.2	19.7	19.2	19.5	19.9			17.8
1997	17.5	17.2	17.3	19.3	21.0	19.0	20.2	15.8		17.6
1998	18.2	17.3	17.1	20.0	21.7	19.0	20.8			17.8
1999	17.5	17.0	17.0	19.6	21.5	18.1	20.8	16.3		17.5
2000	17.8	17.1	17.4	18.7	21.3	17.7	20.0	16.2	14.9	17.7
2001	17.6	17.2	16.8	19.0	21.1	17.6	20.3	17.6	16.4	17.6
2002	17.1	17.3	17.1	18.9	21.6	17.6	19.4	17.8	17.2	17.6
2003	17.4	17.1	17.9	18.7	21.1	18.7	18.6	17.8	17.1	17.8
2004	17.2	17.3	18.0	19.1	21.0	18.1	18.6	16.5	17.5	17.9
2005	17.9	17.3	18.1	19.5	21.1	18.0	19.5	16.7	17.8	18.2

Appendix M

Table M-8 Model Year 1975 to 2005 All Adjusted 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	12.7	12.0	12.4	18.4	26.7	21.1		22.6	18.5	13.1
1976	13.7	13.6	13.5	20.5	27.8	22.4		23.4	18.5	14.2
1977	14.7	14.1	13.5	23.6	30.2	22.7		24.6	19.6	15.1
1978	15.3	15.1	14.9	21.9	28.6	22.6		23.1	18.9	15.8
1979	15.4	15.0	16.0	19.5	24.7	22.3		23.9	18.3	15.9
1980	18.3	17.8	18.9	22.1	24.8	25.4		26.0	22.1	19.2
1981	19.4	18.8	21.6	25.4	26.2	25.5		28.6	22.7	20.5
1982	20.3	19.3	21.5	24.8	28.4	25.5		27.4	23.3	21.1
1983	19.7	19.5	22.1	26.0	30.0	27.0		24.5	22.7	21.0
1984	20.2	20.1	21.0	25.2	29.9	26.0		23.6	22.3	21.0
1985	20.7	20.3	20.9	25.6	28.8	24.1		24.7	21.4	21.3
1986	21.6	20.7	21.4	25.0	28.6	23.4	29.6	24.6	21.9	21.9
1987	21.8	20.7	21.3	25.5	28.0	23.7	29.3	24.0	21.9	22.1
1988	21.7	21.0	21.0	25.2	27.1	23.9	29.1	25.5	21.4	22.1
1989	21.3	20.9	20.6	24.6	26.7	24.2	28.2	25.5	20.3	21.7
1990	21.0	20.5	20.7	23.7	25.9	23.4	28.2	24.2	20.1	21.5
1991	21.3	20.9	20.8	23.5	25.8	23.5	27.9	24.9	19.3	21.7
1992	20.8	20.4	20.4	22.8	26.4	24.1	26.6	24.8	19.6	21.3
1993	20.9	21.2	20.3	22.7	27.4	23.2	26.5	22.0	19.7	21.4
1994	20.6	20.6	19.3	22.5	26.9	23.3	27.9	24.0	21.1	21.0
1995	20.5	20.8	20.0	23.0	27.6	22.2	25.9	24.3	21.2	21.1
1996	21.3	20.1	19.3	23.3	26.5	23.7	26.4	24.1	22.3	21.2
1997	21.0	19.7	19.4	23.1	26.4	22.7	25.4	24.3	21.5	20.9
1998	21.0	19.7	19.2	23.4	26.4	23.1	25.1	24.5	21.4	20.9
1999	20.5	19.6	18.9	23.1	25.3	22.6	25.0	24.1	21.1	20.6
2000	20.6	19.7	19.4	22.4	25.1	20.7	24.5	24.2	20.7	20.7
2001	20.6	19.4	19.0	22.6	25.5	20.5	24.8	23.9	19.9	20.7
2002	20.0	19.4	19.1	22.2	25.4	21.3	23.7	24.7	20.9	20.6
2003	19.9	19.1	19.7	23.1	24.8	21.7	23.1	25.0	21.3	20.8
2004	20.1	19.1	19.7	23.2	24.9	21.2	22.6	23.8	21.0	20.8
2005	20.5	19.5	19.8	23.5	25.1	21.7	22.3	23.4	20.8	21.0

Appendix M

Table M-9 Model Year 1975 to 2005 Cars Laboratory 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	15.2	14.6	15.0	21.2	31.4	25.2		26.4	21.6	15.8
1976	16.7	17.0	16.2	25.0	32.9	26.8		27.5	21.6	17.5
1977	17.9	17.0	16.3	28.8	36.2	27.2		28.8	22.9	18.4
1978	19.2	18.9	19.2	27.0	34.0	27.0		27.2	22.3	20.0
1979	19.4	19.4	21.2	23.9	29.0	26.6		28.6	23.6	20.3
1980	22.1	22.4	23.5	27.4	28.9	31.1		30.8	27.2	23.5
1981	23.4	23.5	27.0	31.1	30.6	30.4		34.1	26.7	25.1
1982	24.6	24.8	27.4	30.5	33.2	30.5		32.9	27.3	26.1
1983	23.7	24.8	27.7	31.7	35.2	32.5		30.0	26.7	25.7
1984	24.5	26.0	27.5	32.8	35.1	31.6		28.5	26.2	26.3
1985	25.7	26.4	27.5	32.1	33.7	29.4		30.0	25.1	26.9
1986	27.2	26.9	27.8	32.3	33.5	30.2	34.9	29.6	25.7	28.0
1987	27.4	26.8	27.3	33.0	32.8	29.4	34.5	29.0	25.7	28.2
1988	28.3	27.1	27.9	32.7	31.8	30.7	34.3	30.2	25.1	28.6
1989	27.6	27.1	27.6	31.9	31.2	30.2	33.1	30.3	23.9	28.2
1990	27.4	26.7	27.4	30.4	30.3	28.3	33.1	28.9	23.4	27.8
1991	27.2	27.4	27.3	30.6	30.4	29.0	32.7	29.8	23.5	28.0
1992	26.8	27.0	27.2	28.9	31.0	29.9	31.2	29.1	24.2	27.6
1993	27.4	27.7	27.7	28.9	32.2	29.1	31.1	27.0	24.8	28.1
1994	27.5	27.1	26.6	29.0	32.1	29.8	32.7	28.2	24.7	28.0
1995	27.4	27.6	28.1	30.0	32.9	29.2	30.9	28.8	24.7	28.3
1996	28.2	26.6	27.4	29.5	31.9	30.2	31.8	28.3	26.1	28.3
1997	28.1	27.0	27.5	29.8	32.2	29.6	31.0	28.8	25.1	28.4
1998	27.6	27.5	28.4	30.2	32.0	30.2	30.7	28.8	24.9	28.5
1999	27.4	27.4	27.3	30.4	30.9	29.6	30.6	28.4	24.7	28.2
2000	27.6	27.1	27.5	30.5	31.0	28.0	30.0	28.8	24.5	28.2
2001	28.1	26.9	27.3	31.3	32.2	28.3	30.7	28.5	24.5	28.5
2002	28.5	27.2	27.1	30.7	32.0	28.9	30.3	29.1	25.5	28.8
2003	28.4	26.8	27.3	32.2	32.7	27.9	30.1	29.5	26.1	28.9
2004	29.0	26.1	27.8	30.7	33.1	28.6	29.5	28.9	26.1	29.0
2005	28.9	26.9	27.1	32.9	33.1	29.2	29.8	28.4	26.1	29.1

Appendix M

Table M-10 Model Year 1975 to 2005 Wagons Laboratory 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	15.0	14.4	15.5	22.8		20.9		27.2	21.9	16.1
1976	15.9	16.6	17.0	24.6	29.4	27.4		27.9	22.5	17.3
1977	17.5	16.6	16.5	27.8	31.9	27.1		28.7	24.2	18.0
1978	18.5	18.5	17.7	25.5	31.5	25.5		25.7	21.0	19.2
1979	18.5	19.9	18.2	24.9	29.9	27.9		25.0	25.2	19.7
1980	21.4	22.8	19.2	27.4	32.5	32.2		40.1	29.9	23.6
1981	23.2	25.1	25.8	29.1	33.7	31.4		40.6	27.5	25.6
1982	23.1	25.3	27.9	29.3	36.7	32.0		29.8	28.3	25.3
1983	23.9	25.8	27.7	34.8	36.7	34.6		30.6	28.6	27.2
1984	24.8	26.1	28.1	33.9	36.1	35.1		24.8	25.3	26.4
1985	25.4	26.8	27.0	35.1	34.8	30.0		25.9	24.8	27.5
1986	26.1	27.0	28.0	32.1	34.6	28.2		22.8	25.3	27.1
1987	26.3	26.5	27.6	32.6	34.2	27.8		26.7	24.3	27.2
1988	27.3	26.5	28.7	31.5	34.2	28.0		31.0	23.3	27.6
1989	26.6	25.8	28.8	30.6	34.7	32.3		29.3	23.2	26.9
1990	26.7	25.3	25.1	29.9	35.2	33.5		28.3	25.9	26.7
1991	26.4	28.6	21.2	30.8	28.7			26.9	23.2	28.0
1992	26.6	28.3	21.3	28.9	27.1			26.7	23.2	27.5
1993	27.5	31.0	26.0	29.7	27.6			23.7	24.3	29.6
1994	27.3	30.8	25.4	29.5	29.0			23.6	23.5	29.4
1995	27.9	30.8	25.7	30.8	29.0			23.7	24.4	29.6
1996	27.5	27.5		30.6	28.5		30.2	27.6		27.7
1997	28.9	29.2			27.2			30.4	24.6	28.9
1998	29.1	27.6	27.2					29.5	25.9	28.3
1999	28.6	27.2	26.7					28.9	26.5	27.7
2000	28.4	27.6	26.7				28.9	25.0	24.5	27.7
2001	28.1	26.9	27.0					24.2	24.9	26.9
2002	27.6	27.8	25.4					27.7	25.5	26.7
2003	30.4	27.9	25.6	35.2				28.4	25.6	29.1
2004	29.6	27.3	24.9	34.8				29.2	25.8	28.6
2005	29.7	27.5	25.3	36.3				28.5	25.8	27.8

Appendix M

Table M-11 Model Year 1975 to 2005 Cars and Wagons Lab. 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	15.2	14.6	15.1	22.0	31.4	25.0		26.5	21.7	15.8
1976	16.7	17.0	16.4	25.0	32.6	26.9		27.5	21.7	17.5
1977	17.9	16.9	16.3	28.7	35.5	27.2		28.8	22.9	18.3
1978	19.2	18.8	19.0	26.8	33.7	26.8		27.2	22.1	19.9
1979	19.3	19.5	20.9	24.0	29.0	26.8		28.6	23.6	20.3
1980	22.0	22.5	23.2	27.4	29.2	31.2		31.2	27.2	23.5
1981	23.4	23.8	26.8	30.9	30.8	30.5		34.2	26.7	25.1
1982	24.4	24.8	27.5	30.4	33.4	30.7		32.8	27.4	26.0
1983	23.7	24.9	27.7	32.6	35.3	32.7		30.1	26.7	25.9
1984	24.6	26.1	27.6	32.9	35.2	31.9		28.4	26.2	26.3
1985	25.7	26.5	27.5	32.8	33.8	29.5		29.9	25.1	27.0
1986	27.1	26.9	27.8	32.3	33.6	29.9	34.9	29.4	25.7	27.9
1987	27.3	26.8	27.3	32.9	32.8	29.3	34.5	28.9	25.7	28.1
1988	28.2	27.0	28.0	32.7	31.8	30.6	34.3	30.3	25.1	28.6
1989	27.5	27.0	27.6	31.8	31.3	30.2	33.1	30.2	23.9	28.1
1990	27.3	26.6	27.3	30.4	30.4	28.4	33.1	28.9	23.4	27.8
1991	27.2	27.5	27.3	30.6	30.3	29.0	32.7	29.7	23.5	28.0
1992	26.8	27.1	27.2	28.9	30.9	29.9	31.2	29.0	24.2	27.6
1993	27.4	28.0	27.6	29.0	32.2	29.1	31.1	26.8	24.8	28.2
1994	27.5	27.4	26.5	29.1	32.1	29.8	32.7	28.1	24.7	28.1
1995	27.4	27.9	28.1	30.0	32.8	29.2	30.9	28.6	24.7	28.3
1996	28.1	26.7	27.4	29.5	31.8	30.2	31.7	28.2	26.1	28.3
1997	28.2	27.2	27.5	29.8	32.1	29.6	30.9	28.6	25.1	28.4
1998	27.6	27.5	28.4	30.2	32.0	30.2	30.6	28.6	24.9	28.5
1999	27.5	27.4	27.3	30.4	30.9	29.6	30.5	28.3	24.7	28.2
2000	27.7	27.1	27.5	30.5	31.0	28.0	29.9	28.5	24.5	28.2
2001	28.1	26.9	27.3	31.3	32.2	28.3	30.7	28.1	24.5	28.4
2002	28.5	27.2	26.9	30.7	32.0	28.9	30.3	29.0	25.5	28.6
2003	28.6	26.9	27.1	32.4	32.7	27.9	30.1	29.3	26.1	28.9
2004	29.1	26.2	27.0	31.1	33.1	28.6	29.5	28.9	26.1	28.9
2005	28.9	26.9	26.6	33.1	33.1	29.2	29.8	28.4	26.1	28.9

Appendix M

Table M-12 Model Year 1975 to 2005 Vans Laboratory 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	14.4	12.6	12.6	20.5				20.7		13.1
1976	14.0	13.4	14.2					19.9		13.9
1977	15.0	15.5	13.8					22.2		14.7
1978	14.1	15.0	13.4					20.0		14.2
1979	14.7	12.1	13.8					18.7		13.5
1980	16.7	16.2	16.6					19.0		16.6
1981	18.0	16.8	17.4					18.5		17.5
1982	17.9	16.2	17.7					21.7		17.3
1983	18.9	16.3	18.0					19.3	20.2	17.7
1984	18.2	16.6	20.3	27.0				20.7	27.4	18.9
1985	18.7	16.2	21.0	26.6				21.3	21.6	19.5
1986	19.4	19.7	22.0	26.3				19.2	20.8	20.6
1987	19.8	19.6	22.3	25.5		22.4		18.9		20.9
1988	20.2	19.4	23.0	25.8		22.3		19.9		21.2
1989	20.2	20.0	22.6	25.9		22.2		20.8		21.1
1990	20.7	19.5	23.0			25.4		20.8		21.2
1991	20.8	19.9	22.8	22.9		26.0		20.9		21.4
1992	20.8	19.9	22.9	22.3		25.6				21.5
1993	20.7	20.9	23.7	21.9		21.8		21.0		21.9
1994	21.0	20.0	22.4	22.0		22.7		20.1		21.5
1995	20.6	21.6	23.0	22.6	25.5	23.0		19.6		21.8
1996	21.5	21.4	22.8	22.4	28.5	22.9				22.2
1997	21.9	20.7	22.7	22.3	24.9	22.6		18.5		22.1
1998	22.2	22.3	23.3	24.2	27.0	22.7				22.7
1999	22.0	20.9	23.0	24.1	24.1	23.1		19.1		22.3
2000	22.1	21.8	23.4	24.1	23.9	22.8		19.0		22.8
2001	22.9	18.5	23.4	24.7	24.0	22.6		20.7		22.1
2002	22.3	22.1	23.8	24.7	24.2	22.6	20.0	20.9		23.0
2003	23.2	22.4	24.5	24.7	24.2		20.0	20.9		23.5
2004	22.1	21.5	24.5	25.6	24.2	24.6	21.1			23.2
2005	21.9	23.5	24.7	25.0	25.7	24.8	21.3			23.8

Appendix M

Table M-13 Model Year 1975 to 2005 SUVs Laboratory 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	11.8	14.5	13.0	12.0						13.0
1976	13.1	15.0	13.6	10.9						13.8
1977	14.7	15.8	14.0	13.6						15.1
1978	14.0	15.0	13.5	12.7						14.4
1979	11.3	13.7	12.5	13.8					13.1	12.6
1980	14.9	15.9	13.8	13.8					17.1	15.5
1981	16.3	17.2	15.0	14.3						16.8
1982	19.5	17.1	15.1	14.2						17.6
1983	20.8	17.4	15.5	14.1						19.1
1984	20.6	19.1	13.6	17.3						19.3
1985	20.8	19.3	15.0	21.1						19.8
1986	20.6	20.0	15.6	23.3					25.6	20.2
1987	21.2	20.6	17.8	22.7		18.7				20.6
1988	21.5	20.1	19.3	20.3		18.5				20.4
1989	20.9	19.2	19.3	19.7		19.0				20.0
1990	20.3	18.6	19.9	19.5		19.5			27.3	19.8
1991	21.2	20.1	19.5	18.5		19.5			21.3	20.3
1992	20.2	20.0	19.9	17.0		19.6			19.2	19.9
1993	20.4	20.1	19.5	17.4		19.4			19.2	19.9
1994	20.4	20.0	19.2	17.4	20.2	18.6				19.7
1995	20.1	19.4	19.3	18.5		19.1	24.3			19.6
1996	20.4	19.5	19.3	22.7	19.4	19.8	23.4			20.0
1997	19.9	18.7	20.0	22.9	24.7	19.6	23.7			20.1
1998	21.2	18.7	19.3	22.9	25.4	19.5	24.4			20.1
1999	20.7	18.7	19.3	22.7	25.7	19.5	24.4			20.1
2000	20.3	18.8	19.5	22.4	26.0	19.6	23.5		17.5	20.1
2001	20.2	21.2	19.5	22.5	25.3	19.8	23.8		19.2	20.8
2002	20.2	20.1	19.5	22.6	26.3	19.9	24.0		20.1	20.6
2003	20.0	19.5	21.0	22.4	25.0	21.8	22.6		20.0	20.8
2004	20.0	20.1	20.7	22.9	24.8	20.5	22.1	19.3	20.5	20.9
2005	21.0	20.0	20.5	23.0	24.4	21.2	23.4	19.5	20.9	21.2

Appendix M

Table M-14 Model Year 1975 to 2005 Pickups Laboratory 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	14.3	12.6	13.0	21.3		23.6				14.0
1976	14.6	13.9	14.0	22.1		24.5				14.6
1977	15.2	16.0	14.4	27.2		25.0				16.0
1978	14.8	15.9	14.5	24.6		25.6				15.7
1979	15.5	14.8	15.1	19.5		23.2				15.5
1980	18.6	18.1	20.3	21.5		25.1		31.3	18.7	19.4
1981	20.2	19.5	20.2	26.5		27.7		36.9		21.0
1982	21.9	18.9	21.5	25.6		27.8		39.2		21.7
1983	21.4	21.0	24.1	25.5		27.4		32.8		22.2
1984	20.8	20.9	19.7	25.1		26.2			24.9	21.5
1985	20.5	20.3	19.3	27.0		25.7				21.4
1986	20.9	21.7	20.6	26.4		24.7				22.2
1987	21.3	22.1	21.6	26.6		25.1			22.8	22.5
1988	20.4	21.6	21.6	25.1		24.7			20.8	21.5
1989	20.5	21.1	20.5	23.5		24.8			17.4	21.2
1990	19.2	21.3	19.8	23.1		27.1			21.8	20.7
1991	21.4	21.4	19.6	23.8		26.9			17.9	21.7
1992	20.3	20.8	19.6	23.7		26.7				20.9
1993	20.2	21.3	19.2	23.8		26.4				21.1
1994	20.0	21.7	19.0	24.3		25.6				21.0
1995	20.2	20.5	18.0	23.3		24.9				20.4
1996	21.3	21.4	17.4	23.6		25.2				20.8
1997	20.5	21.2	17.7	20.4		24.9				20.4
1998	21.1	21.0	18.0	23.7		25.5				20.7
1999	19.8	20.5	17.7	23.2		23.3				19.9
2000	20.8	20.6	18.4	20.8		21.8				20.5
2001	20.4	19.9	17.3	21.2		22.2				19.6
2002	19.1	20.1	17.9	20.9		22.0				19.5
2003	20.1	20.1	18.2	21.0		22.4				19.9
2004	19.9	20.3	18.8	20.9		22.5				20.0
2005	20.7	19.7	18.7	21.6		18.7				20.0

Appendix M

Table M-15 Model Year 1975 to 2005 Trucks Laboratory 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	14.1	12.8	12.7	18.9		23.6		20.7		13.7
1976	14.3	13.9	14.1	18.8		24.5		19.9		14.4
1977	15.1	15.9	14.1	22.9		25.0		22.2		15.6
1978	14.6	15.6	13.9	21.3		25.6		20.0		15.2
1979	14.7	14.2	14.4	19.2		23.2		18.7	13.1	14.7
1980	18.0	17.4	18.9	21.4		25.1		25.2	17.3	18.6
1981	19.6	18.8	18.9	26.2		27.7		29.5		20.1
1982	21.1	18.0	19.7	25.2		27.8		27.8		20.5
1983	20.8	19.6	21.7	25.0		27.4		20.3	20.2	20.9
1984	20.2	19.8	19.4	24.9		26.2		20.7	25.7	20.5
1985	20.2	19.3	19.9	26.5		25.7		21.3	21.6	20.6
1986	20.4	20.9	21.1	26.1		24.7		19.2	20.9	21.4
1987	20.9	21.2	21.6	25.9		23.5		18.9	22.8	21.6
1988	20.6	20.9	21.6	24.4		22.7		19.9	20.8	21.2
1989	20.6	20.5	21.1	23.2		23.7		20.8	17.4	20.9
1990	19.8	20.4	21.5	21.8		25.3		20.8	24.2	20.7
1991	21.2	20.7	21.2	22.4		24.8		20.9	21.0	21.3
1992	20.4	20.4	21.5	21.9		24.0			19.2	20.8
1993	20.4	20.9	21.3	22.1		23.7		21.0	19.2	21.0
1994	20.3	20.9	20.6	22.0	20.2	22.9		20.1		20.8
1995	20.2	20.7	20.1	21.2	25.5	22.4	24.3	19.6		20.5
1996	20.9	20.8	20.2	23.1	22.5	22.9	23.4			20.8
1997	20.5	20.2	20.2	22.6	24.7	22.3	23.7	18.5		20.6
1998	21.3	20.3	20.1	23.4	25.5	22.3	24.4			20.9
1999	20.5	19.9	19.9	23.0	25.2	21.2	24.4	19.1		20.5
2000	20.8	20.1	20.4	22.0	25.0	20.8	23.5	19.0	17.5	20.8
2001	20.6	20.2	19.6	22.3	24.7	20.7	23.8	20.7	19.2	20.6
2002	20.0	20.3	20.0	22.2	25.3	20.7	22.8	20.9	20.1	20.6
2003	20.4	20.1	21.0	22.0	24.8	21.9	21.9	20.9	20.0	20.9
2004	20.2	20.3	21.1	22.4	24.6	21.2	21.8	19.3	20.5	20.9
2005	21.0	20.3	21.2	22.9	24.8	21.0	22.9	19.5	20.9	21.3

Appendix M

Table M-16 Model Year 1975 to 2005 All Laboratory 55/45 Fuel Economy by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	14.9	14.1	14.6	21.6	31.4	24.7		26.5	21.7	15.3
1976	16.1	16.0	15.9	24.0	32.6	26.3		27.4	21.7	16.7
1977	17.3	16.6	15.9	27.7	35.5	26.7		28.8	22.9	17.7
1978	18.0	17.7	17.5	25.7	33.7	26.5		27.1	22.1	18.6
1979	18.1	17.6	18.8	22.9	29.0	26.2		28.0	21.5	18.7
1980	21.4	20.9	22.2	25.9	29.2	29.8		30.5	25.9	22.5
1981	22.8	22.1	25.4	29.9	30.8	30.0		33.5	26.7	24.1
1982	23.8	22.6	25.3	29.1	33.4	30.0		32.2	27.4	24.7
1983	23.1	22.8	26.0	30.5	35.3	31.7		28.7	26.6	24.6
1984	23.6	23.6	24.7	29.7	35.2	30.5		27.7	26.2	24.6
1985	24.2	23.9	24.5	30.0	33.8	28.4		29.0	25.1	25.0
1986	25.3	24.3	25.1	29.4	33.6	27.5	34.9	28.9	25.6	25.7
1987	25.5	24.3	25.0	30.0	32.8	27.8	34.5	28.2	25.6	25.9
1988	25.5	24.7	24.7	29.6	31.8	28.1	34.3	30.0	25.1	25.9
1989	24.9	24.5	24.1	28.9	31.3	28.4	33.1	29.9	23.8	25.4
1990	24.6	24.1	24.2	27.8	30.4	27.5	33.1	28.3	23.5	25.2
1991	24.9	24.5	24.3	27.5	30.3	27.6	32.7	29.2	22.6	25.4
1992	24.3	23.9	23.9	26.8	30.9	28.2	31.2	29.0	22.9	24.9
1993	24.5	24.8	23.8	26.7	32.2	27.1	31.1	25.8	23.1	25.1
1994	24.2	24.1	22.6	26.4	31.5	27.3	32.7	28.1	24.7	24.6
1995	24.0	24.3	23.4	27.0	32.4	26.1	30.4	28.4	24.7	24.7
1996	25.0	23.6	22.5	27.4	31.1	27.7	30.9	28.2	26.1	24.8
1997	24.5	23.1	22.8	27.1	31.0	26.6	29.7	28.5	25.1	24.5
1998	24.6	23.1	22.4	27.4	30.9	27.1	29.4	28.6	24.9	24.5
1999	23.9	22.9	22.1	27.1	29.6	26.5	29.3	28.2	24.7	24.1
2000	24.1	23.0	22.8	26.2	29.4	24.3	28.7	28.4	24.2	24.3
2001	24.1	22.7	22.2	26.5	29.9	24.1	29.0	28.0	23.2	24.2
2002	23.4	22.7	22.3	26.0	29.8	25.0	27.8	28.8	24.5	24.1
2003	23.3	22.4	23.0	27.1	29.1	25.4	27.0	29.2	24.9	24.3
2004	23.6	22.4	23.1	27.2	29.2	24.9	26.5	27.9	24.5	24.4
2005	24.0	22.8	23.2	27.5	29.3	25.4	26.1	27.3	24.3	24.6

Appendix M

Table M-17

Model Year 1975 To 2005 Cars Inertia Weight by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	4469	4039	4233	2746	2000	2589		2353	2761	4071
1976	4358	4079	4141	2742	2001	2547		2336	2810	4044
1977	4140	4212	4180	2623	2058	2537		2348	2727	3936
1978	3744	3803	3683	2611	2113	2510		2406	2662	3572
1979	3713	3543	3424	2708	2313	2502		2388	2769	3468
1980	3337	3134	3025	2622	2337	2469		2379	2716	3092
1981	3395	3057	2804	2555	2351	2535		2400	2856	3079
1982	3307	3030	2968	2576	2363	2575		2470	2759	3039
1983	3407	3092	2972	2744	2389	2523		2521	2924	3121
1984	3311	3085	2926	2712	2387	2653		2621	2965	3091
1985	3283	3105	2972	2778	2440	2749		2643	3180	3091
1986	3127	3142	2956	2769	2576	2777	2500	2642	2967	3026
1987	3146	3165	2947	2822	2639	2875	2500	2682	2935	3013
1988	3119	3211	2989	2778	2772	2776	2500	2667	3023	3035
1989	3157	3249	3102	2829	2805	2837	2580	2715	3198	3088
1990	3234	3334	3184	2959	2889	3026	2636	2882	3363	3167
1991	3228	3245	3191	2920	2899	3081	2628	2887	3430	3147
1992	3289	3380	3223	3096	3004	3026	2768	2940	3549	3234
1993	3248	3290	3215	3144	2969	3097	2786	3081	3628	3210
1994	3266	3382	3352	3144	3047	3035	2672	3070	3648	3251
1995	3331	3367	3238	3175	2986	3143	2805	3083	3741	3266
1996	3295	3441	3324	3204	3041	3121	2710	3118	3468	3276
1997	3303	3400	3358	3232	3013	3122	2791	3117	3552	3274
1998	3364	3338	3274	3313	3173	3283	2798	3190	3560	3305
1999	3404	3371	3499	3304	3220	3341	2883	3228	3584	3361
2000	3433	3433	3441	3260	3195	3381	2942	3228	3626	3366
2001	3438	3454	3496	3242	3189	3305	2965	3281	3678	3366
2002	3404	3447	3503	3352	3218	3368	3066	3370	3642	3379
2003	3485	3584	3539	3217	3283	3430	3114	3400	3571	3421
2004	3429	3634	3538	3415	3271	3478	3201	3454	3574	3445
2005	3484	3631	3657	3269	3285	3546	3223	3626	3560	3481

Appendix M

Table M-18 Model Year 1975 To 2005 Wagons Inertia Weight by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	4480	4148	4394	2693		3000		2500	2908	3957
1976	4619	4372	4192	2703	2250	2693		2500	2848	4182
1977	4339	4202	4221	2661	2250	2646		2500	2771	4005
1978	3950	3797	4116	2701	2250	2668		2500	2812	3723
1979	3932	3536	3987	2622	2250	2457		2500	3057	3637
1980	3677	3211	3886	2605	2250	2415		2500	3500	3231
1981	3609	2956	2882	2584	2250	2497		2500	2930	3040
1982	3562	3091	2892	2562	2250	2511		2750	3273	3188
1983	3472	3124	2900	2498	2250	2466		2806	2944	3047
1984	3408	3188	2841	2573	2250	2458		3122	3224	3175
1985	3419	3152	3045	2515	2317	2626		3066	3187	3112
1986	3407	3211	2997	2618	2374	2935		3245	3174	3215
1987	3416	3283	3053	2902	2390	2999		2847	3500	3248
1988	3422	3294	2983	2919	2599	2977		2553	3500	3242
1989	3498	3376	2970	2941	2536	2767		2766	3500	3327
1990	3461	3457	3400	2995	2666	2692		3176	3019	3367
1991	3559	3221	4000	2937	3238			3386	3463	3305
1992	3552	3295	4000	3073	3500			3359	3942	3391
1993	3381	3034	3485	3096	3500			3634	3994	3154
1994	3412	3079	3675	3205	3500			3790	4000	3217
1995	3350	3044	3728	3230	3500			3702	4000	3189
1996	3409	3526		3227	3500		3000	3711		3453
1997	3231	3306			3500		3000	3793		3283
1998	3215	3469	4000				3000	3739		3356
1999	3292	3582	4000				3000	3675	4000	3460
2000	3388	3571	4000				3000	3612	3751	3468
2001	3724	3623	3516					3882	3844	3631
2002	3703	3602	3522					3695	3862	3610
2003	3411	3553	3514	3000				3757	3826	3425
2004	3484	3553	4020	2939				3740	3802	3551
2005	3402	3540	4030	2939				3797	3641	3661

Appendix M

Table M-19 Model Year 1975 To 2005 Cars and Wagons Inertia Weight by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	4470	4054	4251	2718	2000	2606		2371	2775	4058
1976	4376	4117	4151	2735	2021	2568		2343	2812	4059
1977	4156	4211	4188	2628	2085	2555		2358	2730	3944
1978	3761	3802	3745	2622	2126	2534		2410	2686	3588
1979	3735	3542	3478	2701	2308	2494		2389	2781	3485
1980	3354	3142	3077	2620	2330	2461		2385	2719	3101
1981	3407	3040	2813	2557	2343	2530		2403	2862	3076
1982	3333	3038	2960	2575	2354	2568		2478	2768	3054
1983	3413	3096	2964	2663	2380	2516		2526	2924	3112
1984	3321	3095	2919	2697	2380	2633		2630	2980	3099
1985	3295	3109	2976	2708	2432	2738		2655	3180	3093
1986	3149	3149	2958	2761	2565	2801	2500	2653	2972	3041
1987	3169	3179	2951	2831	2633	2882	2500	2687	2938	3031
1988	3136	3218	2988	2786	2770	2786	2500	2657	3026	3047
1989	3173	3259	3100	2836	2800	2836	2580	2716	3202	3099
1990	3245	3343	3185	2961	2884	3025	2636	2893	3362	3176
1991	3240	3243	3193	2921	2913	3081	2628	2903	3430	3154
1992	3298	3373	3225	3096	3015	3026	2768	2955	3560	3240
1993	3253	3258	3220	3142	2977	3097	2786	3104	3637	3207
1994	3271	3351	3357	3145	3055	3035	2672	3086	3655	3250
1995	3332	3335	3243	3177	2995	3143	2805	3102	3745	3263
1996	3300	3447	3324	3204	3046	3121	2728	3140	3468	3282
1997	3300	3393	3358	3232	3019	3122	2800	3138	3552	3274
1998	3357	3346	3277	3313	3173	3283	2803	3209	3560	3306
1999	3399	3383	3502	3304	3220	3341	2888	3256	3596	3365
2000	3431	3441	3444	3260	3195	3381	2946	3255	3630	3369
2001	3451	3465	3499	3242	3189	3305	2965	3331	3683	3380
2002	3420	3457	3506	3352	3218	3368	3066	3400	3647	3391
2003	3479	3582	3536	3200	3283	3430	3114	3443	3576	3421
2004	3434	3629	3651	3360	3271	3478	3201	3485	3577	3454
2005	3477	3625	3752	3244	3285	3546	3223	3649	3560	3497

Appendix M

Table M-20 **Model Year 1975 To 2005 Vans Inertia Weight by Marketing Group**

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	4183	4135	4263	3500				3497		4196
1976	4225	4081	4326					3500		4200
1977	4276	4110	4404					3500		4252
1978	4313	4088	4387					3500		4250
1979	4553	4665	4450					3500		4541
1980	4338	4625	4137					3619		4353
1981	4374	4509	4050					3644		4324
1982	4447	4544	4031					3668		4342
1983	4551	4516	4099					3625	3818	4414
1984	4523	4389	3678	3396				3627	2940	4075
1985	4287	4464	3644	3274				3656	4000	3975
1986	4240	4218	3674	3435				3764	5500	3998
1987	4214	4247	3699	3285		3500		3818		3972
1988	4210	4358	3791	3515		3611		3868		4053
1989	4215	4250	3822	3552		3738		4042		4057
1990	4265	4269	3873			3452		4020		4095
1991	4289	4234	3971	4000		3382		4021		4133
1992	4304	4376	3940	4000		3500				4151
1993	4364	4266	3814	4000		4000		4157		4105
1994	4316	4406	3968	4025		4000		4260		4156
1995	4337	4179	3837	4104	3500	4000		5000		4110
1996	4419	4211	4155	4065	3500	4000				4195
1997	4354	4398	4152	4137	3500	4000		5490		4241
1998	4291	4208	4141	4000	3500	4000				4183
1999	4327	4578	4170	4000	4500	4000		4897		4307
2000	4323	4470	4157	4000	4500	4000		5116		4276
2001	4275	5155	4430	4000	4500	4000		4850		4519
2002	4307	4508	4374	4000	4500	4000	5000	4638		4394
2003	4347	4519	4286	4000	4500		5000	4564		4393
2004	4605	4565	4372	4500	4500	4500	5000			4520
2005	4718	4425	4255	4500	4500	4500	5000			4466

Appendix M

Table M-21 Model Year 1975 To 2005 SUVs Inertia Weight by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	4867	3462	4635	4000						4202
1976	4906	3627	4695	4082						4312
1977	4692	3767	4784	4030						4232
1978	4702	3941	4844	4078						4270
1979	5152	3998	4659	4039					4375	4509
1980	4900	3877	4616	4001					4443	4236
1981	4948	3902	4505	4239						4208
1982	5049	3903	4653	4342						4349
1983	4317	3836	4500	4463						4137
1984	4232	3706	4634	3939						3999
1985	4142	3784	4564	3727						4018
1986	3991	3784	4517	4029					2750	3921
1987	3913	3715	4034	3730		4000				3840
1988	3925	3921	3646	4018		4000				3859
1989	4135	4319	3651	4103		4000				4018
1990	4246	4404	3592	4276		4000			3000	4045
1991	4005	4371	3603	4492		4000			3443	4070
1992	4097	4360	3515	4515		4000			3556	4085
1993	4343	4373	3766	4499		4304			3546	4157
1994	4374	4371	3752	4484	4000	4352				4209
1995	4499	4543	3731	4379		4204	3500			4255
1996	4568	4522	3811	3735	4329	4000	3500			4283
1997	4731	4729	3836	3633	3689	4399	3500			4329
1998	4356	4751	4128	3861	3617	4398	3500			4340
1999	4398	4821	4315	4112	3605	4338	3500			4400
2000	4672	4812	4276	4174	3617	4293	3500		5000	4458
2001	4742	4238	4323	4197	3809	4306	3734		4797	4378
2002	4891	4409	4408	4215	3778	4296	3819		5000	4508
2003	5007	4769	4290	4302	4020	4234	4152		5014	4611
2004	5077	4666	4272	4371	4012	4686	4158	5513	4778	4640
2005	4896	4809	4479	4428	4073	4782	4123	5500	4598	4649

Appendix M

Table M-22 Model Year 1975 To 2005 Pickups Inertia Weight by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	4073	4176	4337	2750		2750				4012
1976	4193	4218	4347	2819		2750				4122
1977	4214	4181	4344	2780		2750				4092
1978	4210	4213	4208	2866		2786				4104
1979	4417	4140	4018	2814		2781				4142
1980	4111	4013	3369	2865		2830		2265	4436	3740
1981	3963	3852	3541	2888		2893		2318		3679
1982	3834	3881	3464	3013		2894		2310		3629
1983	3919	3510	3269	3033		3041		2516		3544
1984	3951	3585	3606	3036		3156			2500	3619
1985	3918	3689	3689	3107		3137				3642
1986	3884	3633	3531	3129		3229				3574
1987	3748	3583	3535	3114		3169			3550	3526
1988	4013	3712	3545	3181		3239			4000	3737
1989	3976	3890	3603	3377		3239			4000	3803
1990	4250	3904	3852	3396		3167			3500	3928
1991	3845	3896	3871	3413		3203			4000	3779
1992	4088	4107	3954	3366		3229				3976
1993	4189	4068	4054	3394		3257				3996
1994	4256	4042	4286	3382		3333				4056
1995	4270	4292	4466	3533		3365				4182
1996	4304	4065	4694	3508		3355				4190
1997	4597	4294	4765	4086		3350				4415
1998	4311	4243	4783	3432		3604				4282
1999	4763	4251	4795	3549		3788				4487
2000	4401	4285	4662	4110		3918				4340
2001	4592	4533	4905	4046		3880				4552
2002	4988	4497	5011	4140		3944				4690
2003	4699	4571	5108	4148		3945				4642
2004	5032	4656	4848	4199		3903				4744
2005	4882	5030	4960	4446		5152				4905

Appendix M

Table M-23 Model Year 1975 To 2005 Trucks Inertia Weight by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	4159	4088	4307	2966		2750		3497		4072
1976	4265	4125	4353	3037		2750		3500		4155
1977	4266	4117	4399	3018		2750		3500		4135
1978	4272	4147	4332	3066		2786		3500		4151
1979	4523	4187	4221	2862		2781		3500	4375	4252
1980	4203	4072	3620	2880		2830		2770	4442	3869
1981	4073	3942	3752	2906		2893		2652		3806
1982	4007	4006	3710	3042		2894		3002		3806
1983	4109	3705	3529	3069		3041		3488	3818	3763
1984	4116	3717	3718	3133		3156		3627	2647	3782
1985	4051	3827	3721	3175		3137		3656	4000	3795
1986	3996	3774	3661	3248		3229		3764	5433	3738
1987	3915	3750	3658	3208		3338		3818	3550	3713
1988	4029	3882	3683	3303		3444		3868	4000	3841
1989	4066	4056	3725	3457		3352		4042	4000	3921
1990	4254	4058	3799	3675		3335		4020	3254	4005
1991	3971	4111	3858	3759		3383		4021	3485	3948
1992	4143	4234	3854	3685		3476			3556	4056
1993	4271	4195	3832	3657		3603		4157	3546	4073
1994	4304	4188	3977	3686	4000	3718		4260		4125
1995	4365	4298	3942	3895	3500	3741	3500	5000		4184
1996	4432	4251	4174	3618	3969	3694	3500			4225
1997	4601	4456	4210	3676	3653	3841	3500	5490		4344
1998	4323	4431	4308	3713	3605	3985	3500			4283
1999	4563	4518	4376	3925	3843	4112	3500	4897		4412
2000	4487	4521	4307	4117	4036	4104	3500	5116	5000	4375
2001	4623	4496	4543	4123	4095	4157	3734	4850	4797	4463
2002	4861	4455	4562	4168	4092	4163	4147	4638	5000	4546
2003	4813	4660	4521	4230	4162	4164	4378	4564	5014	4586
2004	5014	4652	4414	4322	4146	4528	4392	5513	4778	4650
2005	4873	4842	4520	4446	4201	4831	4331	5500	4598	4688

Appendix M

Table M-24 Model Year 1975 To 2005 All Inertia Weight by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	4408	4062	4261	2748	2000	2640		2374	2775	4060
1976	4353	4119	4189	2773	2021	2610		2350	2812	4079
1977	4176	4183	4225	2685	2085	2595		2366	2730	3982
1978	3870	3906	3875	2694	2126	2580		2420	2686	3715
1979	3895	3728	3656	2733	2308	2541		2433	2980	3655
1980	3462	3379	3181	2672	2330	2531		2420	2861	3228
1981	3498	3306	2939	2621	2343	2596		2437	2862	3202
1982	3453	3288	3123	2677	2354	2637		2539	2768	3202
1983	3547	3301	3097	2754	2380	2603		2617	2934	3257
1984	3470	3302	3141	2845	2380	2748		2702	2963	3262
1985	3466	3320	3210	2889	2432	2845		2724	3182	3271
1986	3332	3391	3191	2959	2565	2981	2500	2691	3000	3238
1987	3346	3402	3200	2966	2633	2984	2500	2742	2946	3221
1988	3401	3435	3302	2942	2770	2955	2500	2679	3027	3283
1989	3451	3518	3393	3004	2800	2956	2580	2749	3212	3351
1990	3540	3595	3472	3132	2884	3109	2636	2947	3345	3426
1991	3485	3569	3470	3173	2913	3170	2628	2949	3448	3410
1992	3567	3725	3546	3242	3015	3132	2768	2955	3559	3512
1993	3605	3620	3551	3285	2977	3261	2786	3261	3613	3519
1994	3680	3725	3724	3317	3084	3249	2672	3090	3655	3603
1995	3739	3737	3592	3369	3016	3381	2847	3126	3745	3613
1996	3718	3821	3838	3322	3099	3280	2783	3140	3468	3659
1997	3818	3944	3853	3371	3096	3375	2896	3161	3552	3727
1998	3758	3933	3941	3455	3231	3510	2917	3209	3560	3744
1999	3902	3969	4063	3536	3345	3570	2992	3269	3596	3835
2000	3910	3988	3964	3623	3381	3701	3034	3268	3667	3821
2001	3992	4037	4108	3639	3427	3710	3120	3343	3898	3879
2002	4166	4033	4130	3732	3461	3680	3366	3417	3858	3951
2003	4227	4218	4124	3624	3626	3694	3494	3455	3794	3999
2004	4273	4232	4120	3720	3609	3931	3590	3640	3863	4038
2005	4225	4293	4195	3790	3632	4041	3731	3811	3873	4089

Appendix M

Table M-25 Model Year 1975 To 2005 Cars UNADJUSTED TON MPG by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	34.0	30.0	32.4	29.2	31.5	33.4		31.1	30.3	32.4
1976	36.5	34.9	34.1	34.4	33.2	34.8		32.2	30.5	35.4
1977	37.1	35.9	34.6	38.3	38.2	35.4		34.6	31.5	36.4
1978	36.2	36.0	36.0	35.9	36.3	34.6		34.0	30.0	35.9
1979	36.2	34.4	36.6	32.7	33.6	33.7		35.8	33.1	35.4
1980	36.9	35.2	35.8	36.2	34.0	38.7		38.6	37.1	36.5
1981	39.8	36.1	38.1	40.0	36.2	38.9		43.1	38.4	38.9
1982	40.9	37.8	41.0	39.5	39.5	40.0		42.9	38.2	40.1
1983	40.5	38.6	41.8	43.6	42.4	41.6		39.1	39.4	40.5
1984	40.9	40.6	40.6	44.7	42.3	42.5		38.6	39.3	41.0
1985	42.3	41.4	41.0	44.8	41.4	40.8		40.9	40.4	41.9
1986	42.8	42.5	41.5	44.8	43.4	42.2	43.7	40.0	38.2	42.6
1987	43.3	42.5	40.3	46.7	43.5	42.4	43.2	39.2	37.6	42.7
1988	44.3	43.6	42.0	45.5	44.4	42.9	43.0	40.5	38.3	43.7
1989	43.7	44.1	43.1	45.2	44.1	42.9	42.9	41.4	38.8	43.7
1990	44.4	44.6	43.6	45.1	44.2	43.0	43.8	41.8	39.8	44.2
1991	44.1	44.6	43.7	44.7	44.4	45.0	43.2	43.4	40.6	44.2
1992	44.1	45.6	43.9	44.6	47.3	45.7	43.2	43.0	43.1	44.8
1993	44.6	45.6	44.6	45.4	48.3	45.3	43.4	41.6	45.2	45.3
1994	45.1	45.9	44.5	45.6	49.3	45.5	43.9	43.4	45.2	45.7
1995	45.6	46.7	45.5	47.6	49.4	46.1	43.6	44.5	46.4	46.3
1996	46.4	45.9	45.6	47.2	48.8	47.4	43.3	44.5	45.6	46.5
1997	46.4	46.0	46.2	48.2	48.9	46.4	43.4	45.3	44.8	46.6
1998	46.4	45.9	46.6	50.3	50.9	49.6	43.0	46.8	44.5	47.3
1999	46.7	46.3	47.8	50.3	50.0	49.5	44.1	46.4	44.5	47.5
2000	47.4	46.6	47.3	49.9	49.8	47.3	44.1	47.3	44.4	47.6
2001	48.4	46.6	47.8	51.5	51.9	46.8	45.5	47.5	45.2	48.3
2002	48.5	47.0	47.6	52.1	51.8	49.1	46.6	50.1	46.8	48.9
2003	49.5	48.1	48.5	52.3	54.4	48.2	46.9	50.8	46.9	49.8
2004	49.8	47.5	49.4	53.7	54.7	50.1	47.4	50.4	46.8	50.4
2005	50.3	48.9	49.7	54.8	55.0	51.8	48.0	52.1	46.8	51.0

Appendix M

Table M-26 Model Year 1975 To 2005 Wagons UNADJUSTED TON MPG by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	33.6	30.6	33.9	30.8		31.5		34.1	32.0	32.2
1976	36.6	36.4	36.2	33.4	33.1	37.0		34.9	32.3	36.2
1977	38.1	35.1	35.0	37.2	36.1	36.2		36.4	34.2	36.3
1978	36.7	35.2	36.6	34.9	35.6	34.6		32.4	29.9	35.8
1979	36.5	35.2	36.5	32.9	33.7	34.3		31.3	39.3	35.8
1980	39.5	36.7	37.5	35.9	36.9	39.0		50.5	52.4	38.4
1981	42.0	37.4	37.3	37.7	38.0	39.5		50.7	40.4	39.1
1982	41.3	39.2	40.5	37.5	41.6	40.6		41.8	46.3	40.4
1983	41.5	40.2	40.5	43.5	41.5	42.7		45.2	42.2	41.6
1984	42.3	42.0	40.0	43.8	40.7	43.4		40.4	41.0	42.1
1985	43.2	42.4	41.3	44.2	40.5	39.9		39.9	39.6	42.7
1986	44.1	43.5	42.0	42.2	41.1	41.6		37.1	40.1	43.4
1987	44.6	43.7	42.1	47.3	41.0	41.9		38.4	42.5	44.1
1988	46.4	43.8	43.0	46.1	44.6	41.8		39.6	40.8	44.6
1989	46.2	43.5	43.0	45.1	44.2	44.7		40.4	40.6	44.6
1990	46.1	43.7	42.9	45.0	47.0	45.1		44.7	39.1	45.0
1991	46.7	46.3	42.4	45.4	46.6			45.5	40.1	46.3
1992	46.9	46.8	42.5	44.5	47.5			44.7	45.7	46.7
1993	46.2	47.2	45.2	46.3	48.3			43.1	48.4	46.8
1994	46.5	47.8	46.7	47.2	50.8			44.7	47.0	47.5
1995	46.6	47.2	47.8	49.6	50.9			43.9	48.8	47.3
1996	46.8	48.4		49.3	50.0		45.3	55.0		47.9
1997	46.6	48.2			47.8		45.6	47.0		47.5
1998	46.9	47.7	54.4				44.3	48.5		47.4
1999	47.1	48.6	53.4				43.4	48.9	47.4	47.9
2000	48.1	49.3	53.5				43.4	45.4	46.1	48.0
2001	52.3	48.9	47.5					47.2	47.9	49.0
2002	51.2	49.9	44.8					52.1	49.3	48.4
2003	51.9	49.5	45.0	52.9				55.6	49.1	50.4
2004	51.8	48.5	49.9	51.3				56.8	49.1	51.0
2005	50.9	48.7	50.8	53.4				55.7	47.0	51.1

Appendix M

Table M-27 Model Year 1975 To 2005 Cars and Wagons UNADJUSTED TON MPG by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	34.0	30.1	32.5	30.0	31.5	33.3		31.5	30.4	32.3
1976	36.5	35.1	34.5	34.3	33.2	35.1		32.3	30.7	35.5
1977	37.2	35.8	34.7	38.2	37.9	35.5		34.7	31.7	36.4
1978	36.2	35.9	36.1	35.8	36.3	34.6		33.9	30.0	35.9
1979	36.2	34.5	36.5	32.7	33.6	33.8		35.8	33.4	35.4
1980	37.0	35.4	35.9	36.2	34.2	38.7		39.2	37.1	36.6
1981	39.9	36.4	38.0	39.8	36.3	38.9		43.4	38.6	38.9
1982	41.0	38.0	41.0	39.3	39.7	40.1		42.9	38.3	40.1
1983	40.6	38.8	41.6	43.6	42.3	41.7		39.2	39.5	40.7
1984	41.0	40.7	40.5	44.6	42.2	42.6		38.6	39.4	41.1
1985	42.4	41.5	41.1	44.6	41.4	40.7		40.9	40.3	42.0
1986	42.9	42.6	41.5	44.7	43.3	42.1	43.7	39.9	38.3	42.6
1987	43.4	42.7	40.4	46.7	43.4	42.4	43.2	39.2	37.7	42.8
1988	44.4	43.6	42.0	45.6	44.4	42.8	43.0	40.4	38.3	43.7
1989	43.8	44.0	43.1	45.2	44.1	42.9	42.9	41.4	38.8	43.8
1990	44.4	44.5	43.6	45.1	44.2	43.0	43.8	41.9	39.8	44.2
1991	44.1	44.7	43.6	44.7	44.5	45.0	43.2	43.5	40.6	44.3
1992	44.2	45.7	43.9	44.6	47.3	45.7	43.2	43.0	43.2	44.9
1993	44.7	45.8	44.6	45.5	48.3	45.3	43.4	41.7	45.2	45.4
1994	45.1	46.1	44.5	45.6	49.3	45.5	43.9	43.5	45.3	45.7
1995	45.7	46.7	45.5	47.7	49.5	46.1	43.6	44.5	46.4	46.4
1996	46.5	46.1	45.6	47.3	48.8	47.4	43.4	44.9	45.6	46.5
1997	46.4	46.2	46.2	48.2	48.8	46.4	43.5	45.4	44.8	46.7
1998	46.4	46.1	46.6	50.3	50.9	49.6	43.0	46.8	44.5	47.3
1999	46.7	46.4	47.9	50.3	50.0	49.5	44.1	46.5	44.6	47.5
2000	47.4	46.8	47.3	49.9	49.8	47.3	44.1	47.1	44.5	47.6
2001	48.6	46.8	47.8	51.5	51.9	46.8	45.5	47.4	45.3	48.4
2002	48.7	47.1	47.1	52.1	51.8	49.1	46.6	50.3	46.8	48.9
2003	49.7	48.2	48.1	52.3	54.4	48.2	46.9	51.4	47.0	49.9
2004	50.0	47.6	49.5	53.4	54.7	50.1	47.4	51.1	46.9	50.5
2005	50.4	48.9	50.0	54.7	55.0	51.8	48.0	52.6	46.8	51.0

Appendix M

Table M-28 Model Year 1975 To 2005 Vans UNADJUSTED TON MPG by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	30.9	26.4	27.4	35.9				36.2		28.1
1976	30.6	28.0	30.8					34.9		29.7
1977	32.4	32.2	30.5					38.9		31.7
1978	31.1	31.2	29.7					35.0		30.8
1979	33.9	28.6	31.0					32.9		31.3
1980	36.4	37.9	34.6					34.4		36.4
1981	39.5	38.3	35.6					33.8		38.0
1982	39.8	37.1	35.9					42.1		38.0
1983	43.4	37.1	37.3					35.3	40.5	39.7
1984	41.3	36.8	38.4	45.9				37.5	42.2	39.3
1985	40.5	36.4	38.9	43.6				39.0	43.1	39.3
1986	41.4	41.8	40.8	45.2				36.2	57.1	41.5
1987	42.0	42.0	41.7	41.8	39.1			36.2		41.7
1988	42.8	42.5	43.8	45.4	40.3			38.6		43.2
1989	42.9	42.8	43.7	45.9	41.4			42.2		43.2
1990	44.3	41.8	44.8		43.9			41.9		43.8
1991	44.9	42.3	45.6	45.7	44.0			42.1		44.5
1992	45.1	43.6	45.4	44.6	44.8					44.8
1993	45.3	44.6	45.3	43.8	43.5			43.7		45.0
1994	45.5	44.2	44.8	44.3	45.4			42.8		44.9
1995	44.9	45.3	44.5	46.3	44.7	46.0		48.9		45.0
1996	47.5	45.2	47.6	45.5	49.8	45.8				46.8
1997	47.7	45.5	47.3	46.0	43.6	45.2		50.8		46.9
1998	47.6	46.8	48.4	48.4	47.2	45.4				47.7
1999	47.7	48.1	48.0	48.2	54.2	46.1		46.7		48.1
2000	48.0	48.8	48.9	48.2	53.8	45.7		48.5		48.9
2001	49.3	47.8	52.0	49.5	54.0	45.1		50.0		50.3
2002	48.6	49.8	52.4	49.5	54.5	45.1	50.0	48.3		50.9
2003	50.5	50.7	52.6	49.5	54.5		50.0	47.6		51.7
2004	50.9	49.2	53.5	57.7	54.5	55.3	52.9			52.5
2005	51.7	52.0	52.5	56.2	57.9	55.9	53.3			53.3

Appendix M

Table M-29 Model Year 1975 To 2005 SUVs UNADJUSTED TON MPG by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	29.0	24.8	30.4	24.0						27.1
1976	32.2	27.0	32.1	22.3						29.6
1977	34.7	29.5	33.7	28.3						31.8
1978	33.2	29.1	32.7	26.4						30.6
1979	29.2	27.4	29.3	27.8				29.2		28.3
1980	36.2	30.8	31.8	27.6				39.9		32.9
1981	40.4	33.6	33.9	30.3						35.4
1982	50.1	33.3	35.2	30.9						39.2
1983	45.2	33.3	35.1	31.6						40.1
1984	43.7	35.6	31.8	35.1						39.1
1985	43.2	36.8	34.4	41.2						40.3
1986	41.0	38.1	35.6	47.8				35.1		39.9
1987	41.1	38.5	36.4	43.4		37.4				39.7
1988	41.8	39.4	35.4	41.4		37.1				39.5
1989	42.9	41.7	35.4	41.1		37.9				40.3
1990	42.6	41.3	35.8	41.8		39.0			41.0	40.0
1991	42.4	43.9	35.3	41.8		39.0			36.8	41.4
1992	41.2	43.7	35.0	38.7		39.2			34.2	40.6
1993	44.0	44.1	36.8	39.1		41.8			34.1	41.3
1994	44.4	43.8	36.1	39.0	40.4	40.4				41.6
1995	44.9	44.2	35.9	40.8		40.0	42.7			41.7
1996	46.3	44.3	36.9	42.5	42.1	39.7	41.0			42.9
1997	46.9	44.2	38.6	41.7	45.8	43.1	41.6			43.5
1998	46.0	44.4	40.0	44.4	46.1	42.9	42.7			43.7
1999	45.5	44.9	41.8	46.6	46.5	42.4	42.7			44.3
2000	47.1	45.1	41.8	46.6	47.1	42.0	41.1		43.6	44.7
2001	47.6	45.1	42.4	47.3	48.1	42.7	44.8		46.1	45.6
2002	49.3	44.2	43.1	47.6	49.6	42.7	46.0		50.4	46.4
2003	49.9	46.3	45.0	48.1	50.2	46.5	47.4		50.2	48.0
2004	50.7	46.7	44.2	50.3	49.7	48.0	46.2	53.3	48.9	48.4
2005	51.1	48.0	45.9	51.0	49.7	50.7	48.5	54.0	47.8	49.4

Appendix M

Table M-30 Model Year 1975 To 2005 Pickups UNADJUSTED TON MPG by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	29.6	27.0	28.3	29.3		32.5				28.8
1976	31.1	30.2	30.7	31.1		33.8				30.9
1977	32.5	34.6	31.5	37.8		34.4				33.4
1978	32.0	34.6	30.8	35.3		35.7				33.1
1979	35.0	31.6	31.2	27.5		32.4				32.9
1980	38.7	37.0	34.4	30.9		35.8	37.6	43.3		36.7
1981	40.3	38.3	35.9	38.7		40.9	43.6			39.3
1982	42.2	37.5	37.6	39.0		40.9	46.2			40.1
1983	42.2	37.9	40.2	38.8		42.0	42.6			40.0
1984	41.2	38.5	36.6	38.3		41.7			31.1	39.4
1985	40.4	38.2	36.5	42.2		40.3				39.6
1986	40.7	39.9	37.1	41.6		39.9				40.1
1987	40.2	40.0	38.8	41.6		39.9			40.5	40.1
1988	41.2	40.4	38.8	40.1		40.1			41.7	40.5
1989	41.0	41.2	37.5	40.0		40.2			34.8	40.5
1990	41.0	41.8	38.5	39.6		43.1			38.2	41.1
1991	41.2	42.1	38.2	40.8		43.1			35.7	41.4
1992	41.6	43.2	38.9	40.3		43.3				41.8
1993	42.2	43.6	39.0	40.8		43.2				42.4
1994	42.9	44.1	40.9	41.4		42.7				43.0
1995	43.6	44.3	40.5	41.2		42.0				43.1
1996	46.2	44.0	40.8	41.3		42.2				43.9
1997	47.2	45.7	42.2	41.7		41.7				45.3
1998	45.9	44.6	43.1	40.8		46.1				44.6
1999	47.1	43.6	42.5	41.2		44.3				44.7
2000	45.9	44.1	43.0	42.5		43.1				44.4
2001	46.7	45.0	42.6	42.9		43.5				44.7
2002	47.5	45.2	44.9	43.3		43.6				45.6
2003	47.3	46.0	46.5	43.6		44.3				46.3
2004	49.9	47.1	45.6	43.9		44.0				47.4
2005	50.4	49.2	46.7	48.1		48.4				49.1

Appendix M

Table M-31 Model Year 1975 To 2005 Trucks UNADJUSTED TON MPG by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	29.8	26.6	27.8	28.5		32.5		36.2		28.4
1976	31.1	29.4	30.8	29.6		33.8		34.9		30.5
1977	32.7	33.5	31.1	36.0		34.4		38.9		33.0
1978	31.9	33.1	30.4	33.8		35.7		35.0		32.4
1979	34.1	30.5	31.1	27.5		32.4		32.9	29.2	32.1
1980	38.2	36.1	34.4	30.9		35.8		36.4	40.3	36.3
1981	40.2	37.7	35.7	38.6		40.9		41.2		38.8
1982	42.4	36.8	36.9	38.8		40.9		44.1		39.7
1983	42.9	37.2	39.3	38.7		42.0		36.2	40.5	39.9
1984	41.8	37.6	37.2	39.4		41.7		37.5	34.8	39.3
1985	41.2	37.6	37.8	42.4		40.3		39.0	43.1	39.6
1986	40.9	39.9	39.2	42.6		39.9		36.2	56.6	40.4
1987	40.9	40.1	40.2	41.8		39.4		36.2	40.5	40.5
1988	41.7	40.7	40.3	40.5		39.4		38.6	41.7	40.9
1989	41.9	41.8	40.0	40.4		39.8		42.2	34.8	41.2
1990	42.3	41.7	41.4	40.3		42.5		41.9	39.6	41.8
1991	42.2	42.7	41.5	42.3		42.2		42.1	36.7	42.2
1992	42.3	43.4	41.9	40.7		42.0			34.2	42.4
1993	43.4	44.0	41.2	40.9		42.9		43.7	34.1	42.9
1994	43.9	44.0	41.3	40.9	40.4	42.8		42.8		43.0
1995	44.3	44.7	40.0	41.4	44.7	42.2	42.7	48.9		43.2
1996	46.4	44.4	42.7	41.9	45.5	42.4	41.0			44.3
1997	47.2	45.2	43.0	41.7	45.4	42.8	41.6	50.8		44.9
1998	46.3	45.0	43.6	43.6	46.2	44.6	42.7			44.9
1999	46.7	44.8	44.0	45.1	48.6	43.8	42.7	46.7		45.3
2000	46.7	45.4	44.4	45.3	50.3	42.9	41.1	48.5	43.6	45.6
2001	47.5	45.4	45.1	46.0	50.6	43.1	44.8	50.0	46.1	46.1
2002	48.6	45.2	46.1	46.3	51.7	43.1	47.1	48.3	50.4	46.9
2003	49.0	46.7	47.7	46.6	51.5	46.0	48.1	47.6	50.2	48.0
2004	50.5	47.1	46.9	48.6	51.0	48.2	48.1	53.3	48.9	48.7
2005	50.9	49.2	48.4	51.0	52.2	51.1	49.6	54.0	47.8	50.1

Appendix M

Table M-32 Model Year 1975 To 2005 All UNADJUSTED TON MPG by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	33.2	29.2	31.7	29.8	31.5	33.1		31.5	30.4	31.6
1976	35.4	33.6	33.8	33.7	33.2	34.8		32.4	30.7	34.4
1977	36.4	35.1	34.1	37.9	37.9	35.3		34.7	31.7	35.7
1978	35.3	35.1	34.8	35.4	36.3	34.8		33.9	30.0	35.1
1979	35.8	33.3	35.2	31.7	33.6	33.6		35.7	32.8	34.7
1980	37.2	35.5	35.6	35.1	34.2	38.2		38.9	37.4	36.6
1981	40.0	36.8	37.7	39.6	36.3	39.3		43.1	38.6	38.9
1982	41.2	37.7	40.1	39.2	39.7	40.2		43.0	38.3	40.0
1983	41.1	38.3	41.1	42.5	42.3	41.8		38.9	39.5	40.5
1984	41.2	39.7	39.6	42.8	42.2	42.4		38.5	39.2	40.7
1985	42.1	40.3	40.0	43.8	41.4	40.6		40.7	40.4	41.4
1986	42.5	41.5	40.7	43.8	43.3	41.1	43.7	39.8	38.5	42.0
1987	42.8	41.6	40.3	45.0	43.4	41.7	43.2	39.0	37.7	42.1
1988	43.6	42.7	41.3	44.0	44.4	41.9	43.0	40.4	38.3	42.9
1989	43.2	43.3	41.6	43.9	44.1	42.2	42.9	41.4	38.7	43.0
1990	43.8	43.5	42.6	44.0	44.2	42.9	43.8	41.9	39.8	43.5
1991	43.5	44.0	42.7	44.0	44.5	44.2	43.2	43.4	39.3	43.6
1992	43.6	44.8	42.9	43.6	47.3	44.8	43.2	43.0	41.3	44.1
1993	44.2	45.1	42.8	44.2	48.3	44.5	43.4	42.0	42.3	44.5
1994	44.6	45.2	42.6	44.1	49.0	44.7	43.9	43.5	45.3	44.6
1995	45.1	45.9	42.8	46.0	49.3	44.6	43.6	44.6	46.4	45.2
1996	46.4	45.3	43.8	45.7	48.6	46.0	43.2	44.9	45.6	45.6
1997	46.7	45.7	44.3	46.2	48.4	45.2	43.2	45.4	44.8	45.9
1998	46.3	45.5	44.7	47.9	50.3	48.0	43.0	46.8	44.5	46.3
1999	46.7	45.6	45.3	48.4	49.7	47.8	43.8	46.5	44.6	46.5
2000	47.1	46.1	45.5	48.0	49.9	45.4	43.6	47.2	44.5	46.7
2001	48.1	46.0	46.2	49.0	51.5	45.1	45.4	47.5	45.4	47.3
2002	48.7	46.0	46.6	49.4	51.8	46.7	46.7	50.2	47.4	47.9
2003	49.3	47.3	47.9	50.0	53.3	47.4	47.3	51.3	47.5	49.0
2004	50.3	47.3	47.9	51.6	53.3	49.2	47.6	51.3	47.4	49.6
2005	50.7	49.0	49.1	53.0	53.9	51.5	48.8	52.7	47.1	50.5

Appendix M

Table M-33 Model Year 1975 To 2005 Cars Engine Size (CID) by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	341	291	302	129	83	117		96	111	293
1976	327	290	294	116	83	112		100	119	288
1977	311	307	300	108	88	111		99	117	281
1978	286	270	250	112	90	110		98	115	252
1979	281	239	220	113	98	112		98	123	239
1980	220	197	173	115	100	106		100	117	188
1981	222	185	150	114	100	114		106	125	184
1982	207	175	162	118	101	118		109	122	175
1983	219	188	160	124	102	118		118	129	185
1984	208	184	154	118	105	125		119	140	180
1985	205	185	158	122	105	128		114	161	179
1986	187	181	155	116	108	129	90	115	149	168
1987	188	179	157	115	110	125	90	114	144	162
1988	177	183	155	111	115	117	90	112	144	160
1989	184	180	153	115	113	124	99	112	158	162
1990	181	185	154	122	120	144	103	117	167	163
1991	185	175	157	121	123	143	102	115	163	163
1992	190	192	160	129	125	137	101	121	154	170
1993	186	181	165	132	119	138	105	140	164	167
1994	184	191	172	131	121	135	98	130	166	168
1995	189	185	155	135	117	148	109	133	171	168
1996	184	188	156	134	124	145	104	133	169	166
1997	182	187	157	137	122	146	109	132	183	164
1998	190	177	147	143	128	146	109	131	184	165
1999	187	179	162	142	135	148	115	131	179	166
2000	188	184	160	141	134	158	116	131	181	166
2001	189	185	167	141	134	150	118	131	186	165
2002	192	179	165	154	136	165	122	127	178	166
2003	191	191	172	143	141	177	126	127	172	168
2004	189	196	175	158	138	170	136	133	172	171
2005	190	190	187	143	140	171	137	137	173	172

Appendix M

Table M-34 Model Year 1975 To 2005 Wagons Engine Size (CID) by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	313	282	301	113		119		89	107	256
1976	324	293	280	114	91	109		97	98	276
1977	307	292	282	109	91	110		96	103	266
1978	278	256	270	114	91	115		97	109	243
1979	272	223	260	107	91	96		97	129	234
1980	240	195	233	114	91	98		90	141	189
1981	230	150	157	116	91	105		97	110	165
1982	219	166	145	115	91	105		105	129	178
1983	207	169	145	97	91	107		108	112	161
1984	182	179	141	95	91	106		125	128	166
1985	182	176	142	98	91	123		121	125	158
1986	178	169	145	98	91	120		136	128	162
1987	180	167	148	116	91	128		124	124	162
1988	181	172	141	113	93	122		111	132	163
1989	189	181	114	115	92	98		116	132	171
1990	172	182	141	115	92	98		118	117	165
1991	184	160	181	111	119			123	131	158
1992	190	170	181	122	132			129	150	171
1993	172	144	150	130	132			170	152	150
1994	178	146	159	130	132			169	170	154
1995	161	141	165	131	132			166	154	147
1996	161	155		131	132		110	156		155
1997	138	147			132			109	168	142
1998	136	148	195					110	150	143
1999	139	159	195					121	131	148
2000	146	148	195				121	154	169	147
2001	155	146	149					150	159	150
2002	151	146	150					138	160	149
2003	133	145	149	110				135	158	135
2004	139	153	177	105				134	152	145
2005	139	158	195	105				133	152	161

Appendix M

Table M-35 Model Year 1975 To 2005 Cars and Wagons Engine Size (CID) by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	339	290	302	121	83	117		95	110	288
1976	327	291	291	115	84	112		100	117	287
1977	311	305	296	108	88	111		99	116	279
1978	285	269	253	113	90	111		98	114	251
1979	280	238	224	113	97	109		98	123	238
1980	221	196	177	115	100	105		99	117	188
1981	222	179	151	114	100	113		106	124	182
1982	208	174	160	118	100	117		109	122	175
1983	218	186	159	115	101	116		118	128	182
1984	205	183	153	116	104	123		119	139	179
1985	203	184	157	116	104	128		115	159	177
1986	186	179	154	115	107	128	90	115	149	167
1987	187	178	157	115	109	125	90	114	144	162
1988	177	182	155	111	115	118	90	112	144	160
1989	184	180	153	115	112	124	99	112	158	163
1990	180	185	154	122	119	144	103	117	167	163
1991	185	173	157	120	122	143	102	115	162	163
1992	190	190	160	129	125	137	101	121	154	170
1993	185	176	165	132	119	138	105	142	164	166
1994	184	186	172	131	121	135	98	131	166	168
1995	188	180	155	135	117	148	109	134	171	167
1996	183	186	156	134	124	145	104	134	169	165
1997	180	184	157	137	122	146	109	133	183	164
1998	188	175	147	143	128	146	109	132	184	164
1999	185	178	162	142	135	148	115	131	180	166
2000	186	182	160	141	134	158	117	132	180	165
2001	187	183	164	141	134	150	118	133	186	165
2002	190	177	163	154	136	165	122	128	178	166
2003	186	189	169	140	141	177	126	128	172	166
2004	185	193	175	152	138	170	136	133	172	168
2005	186	187	189	140	140	171	137	136	173	171

Appendix M

Table M-36 Model Year 1975 To 2005 Vans Engine Size (CID) by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	306	334	313	133				109		318
1976	321	336	314					120		324
1977	325	343	327					120		332
1978	328	335	327					120		329
1979	319	336	321					120		322
1980	297	314	278					120		288
1981	285	310	271					120		284
1982	291	314	276					111		287
1983	306	313	270					119	219	294
1984	301	313	201	122				117	151	249
1985	286	311	188	122				117	249	236
1986	279	242	186	137				129	149	228
1987	284	236	192	137		146		129		226
1988	286	240	188	137		146		129		229
1989	290	225	187	137		146		129		225
1990	258	230	200			146		129		225
1991	262	226	199	149		146		129		220
1992	266	230	195	149		146				222
1993	269	218	193	148		181		150		218
1994	265	232	208	149		181		150		226
1995	269	237	201	149	132	181		150		231
1996	257	233	208	149	132	181				220
1997	248	227	208	149	132	181		170		220
1998	240	226	203	183	138	181				217
1999	243	238	208	183	212	200		170		223
2000	241	225	204	183	212	200		170		217
2001	234	276	213	183	212	200		170		229
2002	235	232	210	183	212	200	213	170		218
2003	228	232	213	183	212		213	170		219
2004	249	246	211	202	212	213	213			226
2005	243	223	211	202	212	213	213			219

Appendix M

Table M-37 Model Year 1975 To 2005 SUVs Engine Size (CID) by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	350	305	357	257						328
1976	359	312	362	258						335
1977	357	313	363	258						332
1978	355	331	366	258						339
1979	369	305	325	258					300	331
1980	325	282	329	258					255	295
1981	311	281	321	258						290
1982	315	280	318	258						294
1983	233	282	291	258						254
1984	223	221	322	194						227
1985	212	211	312	170						216
1986	202	212	296	151					96	207
1987	197	229	227	157	175					209
1988	211	217	248	175	181					219
1989	250	235	243	180	181					242
1990	245	250	239	178	181				97	232
1991	239	237	230	190	181				145	230
1992	237	238	228	179	181				164	229
1993	254	240	248	195	181				161	242
1994	241	239	249	196	190	181				238
1995	255	254	238	187	181		122			241
1996	265	260	255	185	191	200	122			252
1997	278	277	238	178	137	200	122			246
1998	250	278	256	180	136	200	122			246
1999	253	277	262	188	135	200	122			246
2000	262	277	255	193	131	199	122		268	245
2001	259	230	251	190	149	207	139		212	229
2002	264	241	244	194	163	204	146		203	236
2003	266	253	236	212	175	210	182		207	238
2004	274	246	248	219	175	258	194	215	215	245
2005	260	249	251	222	180	246	177	223	198	239

Appendix M

Table M-38 Model Year 1975 To 2005 Pickups Engine Size (CID) by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	321	323	336	133		119				306
1976	329	330	333	133		119				316
1977	325	333	340	134		119				313
1978	317	326	322	134		119				306
1979	296	317	269	134		119				287
1980	264	284	199	134		119		94	228	236
1981	254	275	213	143		133		99		237
1982	242	279	212	143		133		99		228
1983	243	222	180	144		141		103		212
1984	242	225	218	144		145			59	215
1985	240	251	236	144		146				221
1986	237	222	216	144		151				206
1987	231	208	213	144		151			161	202
1988	270	222	213	147		151			275	229
1989	275	232	224	154		152			318	236
1990	302	235	239	156		149			151	247
1991	257	234	245	154		149			262	232
1992	276	243	247	154		150				245
1993	281	242	257	155		150				244
1994	287	234	277	152		152				248
1995	278	260	291	171		153				257
1996	273	230	305	174		146				251
1997	289	246	309	203		146				264
1998	267	241	299	170		146				252
1999	293	243	307	175		166				267
2000	272	245	292	219		177				255
2001	279	265	306	210		178				269
2002	302	260	290	218		179				271
2003	275	260	294	219		182				264
2004	297	250	283	217		180				266
2005	284	273	292	244		318				279

Appendix M

Table M-39 Model Year 1975 To 2005 Trucks Engine Size (CID) by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	321	324	321	153		119		109		311
1976	331	329	325	155		119		120		319
1977	328	333	335	158		119		120		318
1978	322	329	327	154		119		120		314
1979	308	318	292	139		119		120	300	298
1980	273	288	225	136		119		104	252	248
1981	262	280	237	144		133		104		247
1982	254	285	238	145		133		105		243
1983	253	244	208	147		141		117	219	231
1984	247	235	216	143		145		117	90	224
1985	241	250	214	143		146		117	249	224
1986	238	224	202	144		151		129	148	211
1987	234	219	203	145		154		129	161	210
1988	258	225	209	150		158		129	275	227
1989	271	230	211	156		156		129	318	234
1990	277	235	217	163		154		129	124	237
1991	253	233	216	159		156		129	154	228
1992	264	239	212	157		160			164	234
1993	271	234	223	161		161		150	161	235
1994	269	235	236	163	190	165		150		239
1995	268	250	237	175	132	167	122	150		244
1996	268	241	245	178	166	170	122			243
1997	277	254	246	180	136	172	122	170		248
1998	256	252	250	177	136	173	122			242
1999	271	255	255	183	155	191	122	170		249
2000	263	253	245	201	170	191	122	170	268	242
2001	263	252	259	196	175	198	139	170	212	243
2002	273	247	247	201	184	196	165	170	203	244
2003	264	254	245	213	186	204	190	170	207	243
2004	278	248	246	217	185	239	200	215	215	248
2005	266	255	248	225	189	260	185	223	198	247

Appendix M

Table M-40 Model Year 1975 To 2005 All Engine Size (CID) by Marketing Group

YEAR	GM	Ford	DC	Toyota	Honda	Nissan	HK	VW	Others	All
1975	335	298	305	125	83	118		95	110	293
1976	328	301	298	120	84	114		100	117	294
1977	314	313	303	115	88	112		99	116	287
1978	293	287	270	119	90	112		98	114	266
1979	286	261	240	118	97	111		99	146	252
1980	228	220	186	119	100	107		100	128	198
1981	228	209	162	119	100	116		106	124	193
1982	216	203	177	124	100	120		109	122	188
1983	224	205	170	122	101	120		118	129	193
1984	213	201	170	125	104	128		119	136	190
1985	212	203	175	126	104	133		115	160	189
1986	197	196	170	127	107	137	90	116	149	180
1987	198	194	173	125	109	131	90	115	144	175
1988	201	196	179	123	115	128	90	113	144	180
1989	211	196	180	126	112	132	99	112	160	185
1990	209	202	184	132	119	147	103	117	161	185
1991	208	196	182	132	122	147	102	115	159	184
1992	214	210	186	136	125	142	101	121	156	191
1993	215	199	196	140	119	146	105	143	163	191
1994	217	208	210	141	123	144	98	131	166	197
1995	220	210	196	146	118	156	110	134	171	196
1996	214	211	210	147	126	152	106	134	169	197
1997	219	220	208	150	124	155	111	134	183	199
1998	216	217	213	155	129	155	111	132	184	199
1999	222	217	222	157	139	161	116	131	180	203
2000	221	218	211	166	142	172	117	133	183	200
2001	222	221	220	165	145	173	122	133	191	201
2002	233	218	213	176	149	177	134	129	182	203
2003	230	227	215	170	159	187	146	129	177	204
2004	235	225	219	176	156	200	156	140	182	207
2005	229	224	223	179	158	205	159	144	181	209